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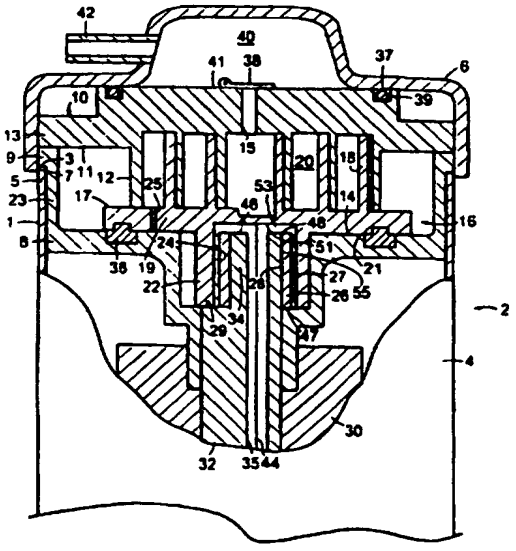
(54) Abstract Title
Improved scroll compressor assembly

(57) A scroll compressor housing has a center shell (4) having an upper end (5) defining an opening, and a top cap (6) covering the opening and secured to the center shell. A crankcase (8) is positioned within the housing. An orbiting scroll (16) has a base plate (19) and a spiral wrap (18) extending axially from the orbiting scroll base plate. A fixed scroll (10) has a base plate (13) and a spiral wrap (12) extending axially from the fixed scroll base plate nested with the spiral wrap of the orbiting scroll. A riser (23) extends axially upwardly from the crankcase to provide a support surface for the fixed scroll. A radially extending flange (9) on the crankcase is supported by an upper edge of the center shell and the fixed scroll is pinned between the top cap and the center shell. A fixed scroll seal (37) sealingly engages the fixed scroll and the top cap to form a muffler chamber (40). A rabbet (60) on the fixed scroll matingly engages a shoulder (62) on the crankcase in order to fixedly align the fixed scroll and the crankcase.



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